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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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NEWS 4	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
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NEWS 6	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 7	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS 8	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses
NEWS 9	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS 10	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS 11	APR 02	DWPI: New display format ALLSTR available
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NEWS 13	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS 14	APR 07	CA/CAplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
NEWS 15	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus
NEWS 16	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS 17	JUN 16	WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS 18	JUN 18	DWPI: New coverage - French Granted Patents
NEWS 19	JUN 18	CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS 20	JUN 18	IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS 21	JUN 21	Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT,and MARPAT
NEWS 22	JUN 21	Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
NEWS 23	JUN 28	Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in

Patenting and Commercialization of Bioethanol
NEWS 24 JUN 29 Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2, AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:52:07 ON 16 JUL 2010

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY 0.22 TOTAL SESSION 0.22
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 12:52:24 ON 16 JUL 2010

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 JUL 2010 HIGHEST RN 1232397-02-2
DICTIONARY FILE UPDATES: 15 JUL 2010 HIGHEST RN 1232397-02-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10574995\Struc 1.str

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ring nodes :
9 10 11 12 13 17 18 19 20 21
chain bonds :
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ring bonds :
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1-2 1-3 1-4 1-5 4-6 6-7 7-8 8-9 8-14 9-10 9-13 10-11 11-12 11-15
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G1:C,N

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:CLASS

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=> d
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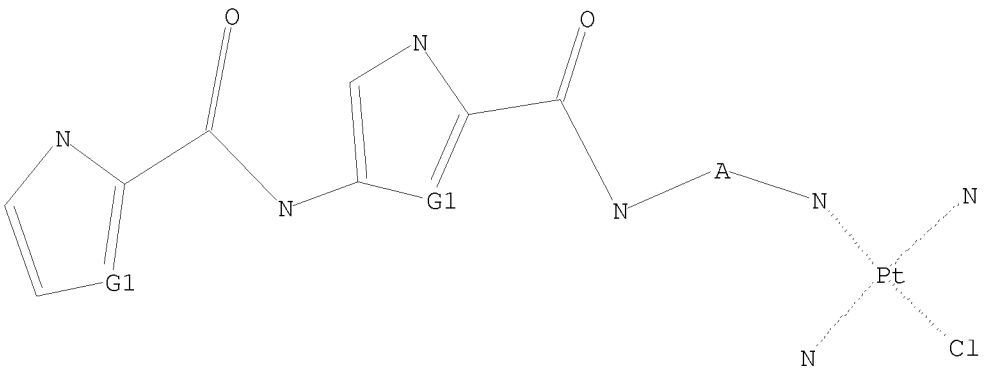
L1 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> l1 full
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FULL SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 191.54 191.76

FILE 'CAPLUS' ENTERED AT 12:53:11 ON 16 JUL 2010

FILE COVERS 1907 - 16 Jul 2010 VOL 153 ISS 4
FILE LAST UPDATED: 15 Jul 2010 (20100715/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

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                  (IBIB(W)ABS)

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L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:         2005:324136  CAPLUS
DOCUMENT NUMBER:          142:402927
TITLE:                    Sequence selective pyrrole and imidazole polyamide
                          metal complexes for targeting therapeutic or
                          diagnostic groups to polynucleotides
INVENTOR(S):              Jaramillo, David; Brodie, Craig; Howard, Warren;
                          Taleb, Robin; Aldrich-Wright, Janice
PATENT ASSIGNEE(S):       University of Western Sydney, Australia
SOURCE:                   PCT Int. Appl., 97 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
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            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
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PRIORITY APPLN. INFO.:                     AU 2003-905512      A  20031007
                                           WO 2004-AU1368      W  20041007
OTHER SOURCE(S):         CASREACT 142:402927; MARPAT 142:402927
AB   The present invention relates to the preparation of platinum-group metal
     complexes with sequence selective pyrrole and imidazole polyamide compds.
     for targeting therapeutic or diagnostic groups to polynucleotides.  More
     particularly, the present invention relates to sequence selective
     targeting of metal complexes, such as metallodrugs and metallodiagnostics,
     to polynucleotides.  For example, N-[5-[5-(2-aminoethylcarbamoyl)-2-methyl-
     1H-pyrryl-3-ylcarbamoyl]-1-methyl-2H-pyrrol-3-yl]-1-methyl-1H-imidazole-2-
     carboxamide (L) was prepared in a multistep process and reacted with
     trans-Pt(NH3)2Cl2 to give trans-PtL(NH3)2Cl.  The affinity consts. of
     trans-PtL(NH3)2Cl with duplex DNA were determined  A pharmaceutical composition
     containing a complex such as trans-PtL(NH3)2Cl can be used to treat cancer,
     HIV and hepatitis C or as a diagnostic.
OS.CITING REF COUNT:     1     THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
                               (1 CITINGS)
REFERENCE COUNT:         14    THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      12.03     203.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.85      -0.85

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STRUCTURE FILE UPDATES: 15 JUL 2010 HIGHEST RN 1232397-02-2
DICTIONARY FILE UPDATES: 15 JUL 2010 HIGHEST RN 1232397-02-2

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TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

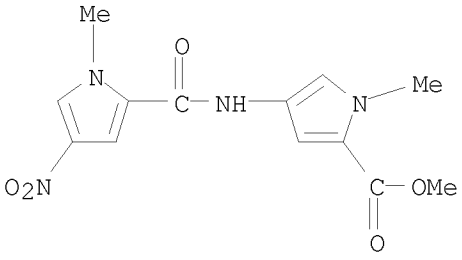
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> tra rn 1- l4
L6 TRANSFER L4 1- RN : 56 TERMS
L7 56 L6

=> d scan

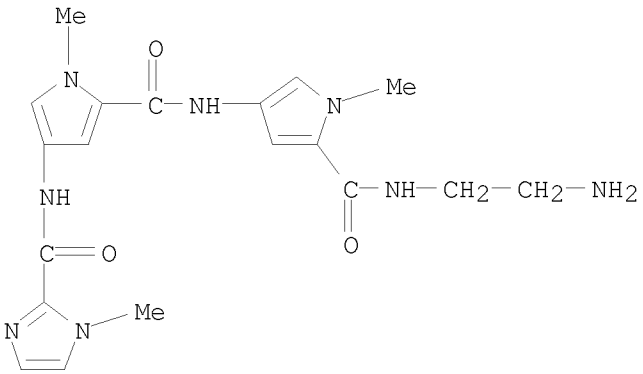
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[(1-methyl-4-nitro-1H-pyrrol-2-yl)carbonyl]amino]-, methyl ester
MF C13 H14 N4 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxamide, N-[5-[[[5-[[(2-aminoethyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-
MF C19 H24 N8 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):54

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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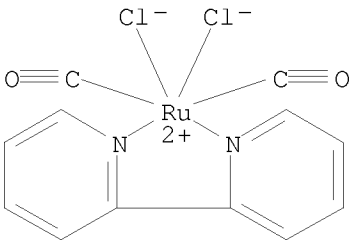
MF C12 H8 Cl2 N2 O2 Ru
CI CCS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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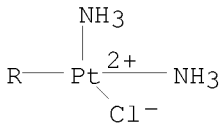
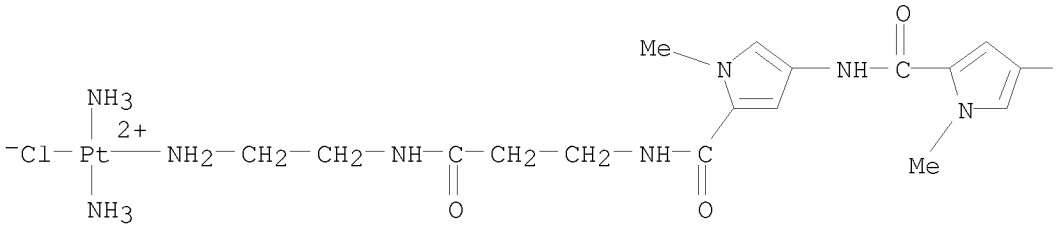
MF C54 H77 Cl2 N27 O11 Pt2
CI CCS

PAGE 1-A





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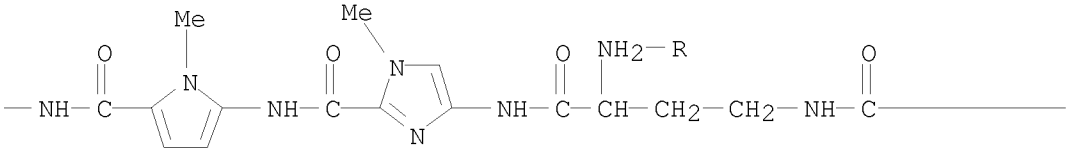

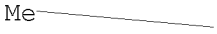

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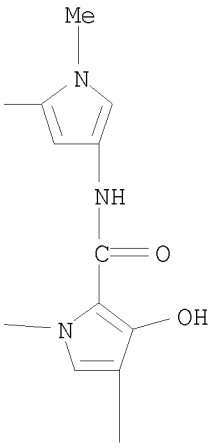

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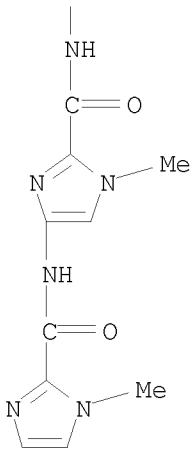

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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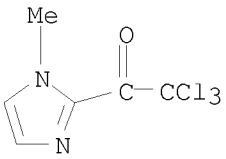
MF C6 H5 Cl3 N2 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium(2+), (5-chloro-1,10-phenanthroline-N1,N10)bis(1,10-phenanthroline-N1,N10)-, (OC-6-33)-, bis[hexafluorophosphate(1-)] (9CI)
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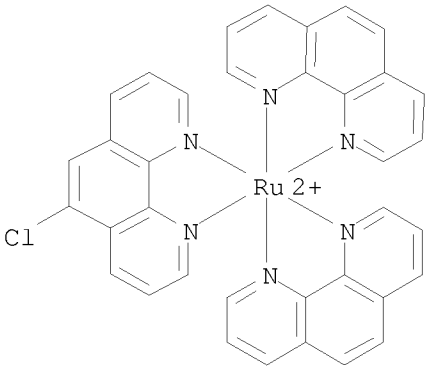

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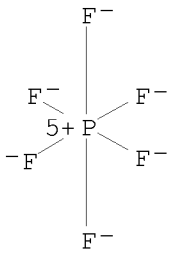

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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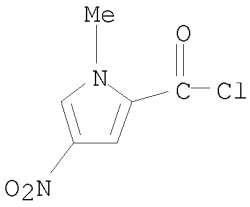
MF C6 H5 Cl N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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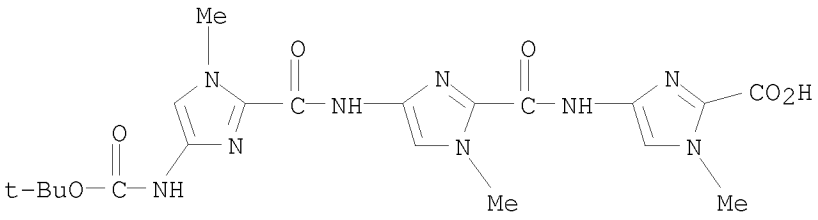

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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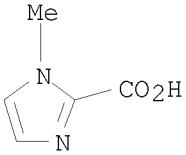
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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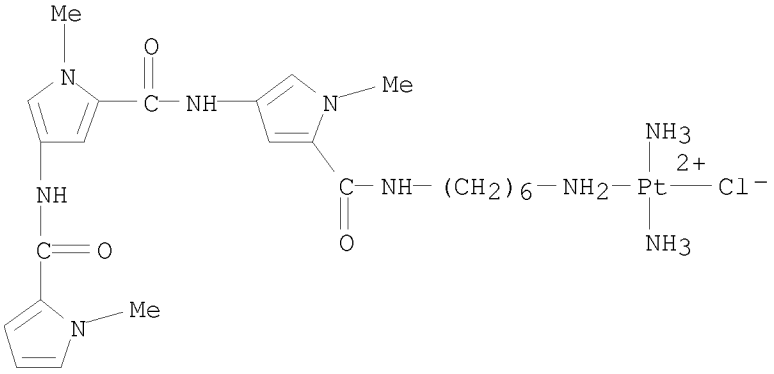
MF C24 H39 Cl N9 O3 Pt . Cl
CI CCS



● Cl⁻

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
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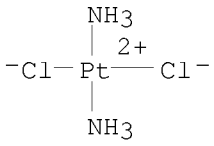
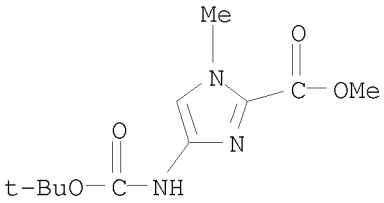
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT
MF Cl2 H6 N2 Pt
CI CCS, COM



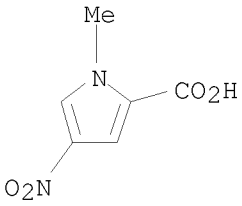
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 4-[[(1,1-dimethylethoxy)carbonyl]amino]-1-methyl-, methyl ester
MF C11 H17 N3 O4



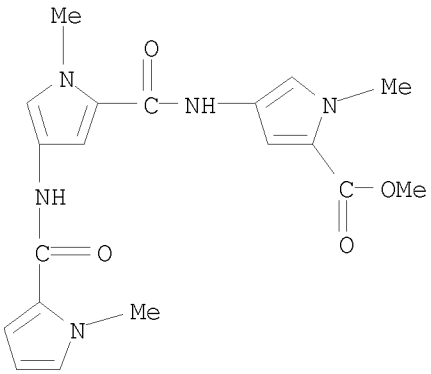
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-nitro-
MF C6 H6 N2 O4



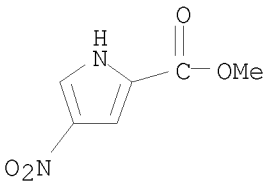
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[1-methyl-4-[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-, methyl ester
MF C19 H21 N5 O4



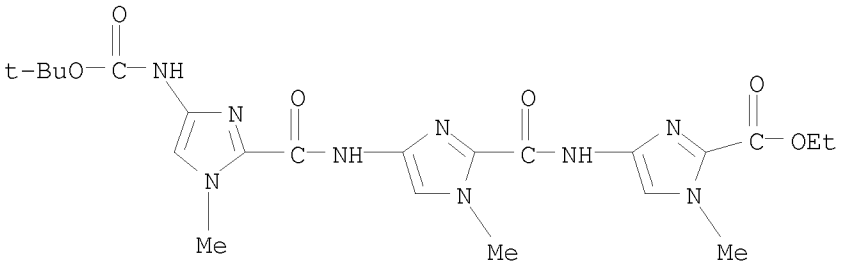
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 4-nitro-, methyl ester
MF C6 H6 N2 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 4-[[[4-[[[4-[[(1,1-dimethylethoxy)carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-, ethyl ester
MF C22 H29 N9 O6



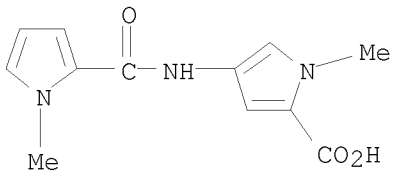
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium
MF Ru
CI COM

Ru

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-
MF C12 H13 N3 O3



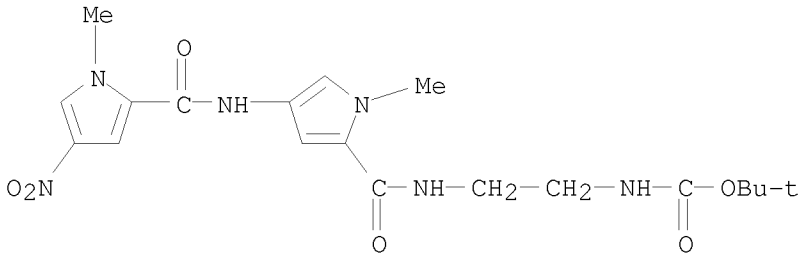
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Platinum
MF Pt
CI COM

Pt

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

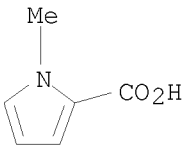
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Carbamic acid, [2-[[[1-methyl-4-[[(1-methyl-4-nitro-1H-pyrrol-2-yl)carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI)
MF C19 H26 N6 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

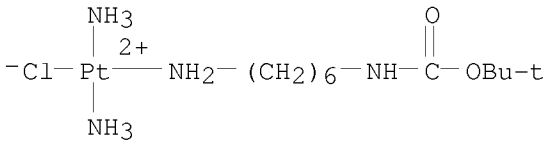
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-

MF C6 H7 N O2
CI COM

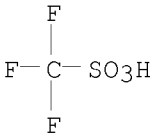


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Platinum(1+), diamminechloro[1,1-dimethylethyl [6-(amino-κN)hexyl]carbamate]-, (SP-4-2)- (9CI)
MF C11 H30 Cl N4 O2 Pt
CI CCS, COM

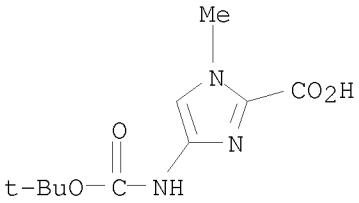


L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Methanesulfonic acid, 1,1,1-trifluoro-
MF C H F3 O3 S
CI COM



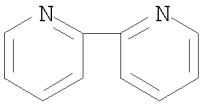
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 4-[[(1,1-dimethylethoxy)carbonyl]amino]-1-methyl-
MF C10 H15 N3 O4



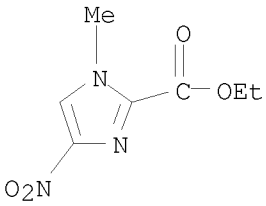
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 2,2'-Bipyridine
MF C10 H8 N2
CI COM



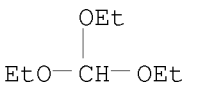
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 1-methyl-4-nitro-, ethyl ester
MF C7 H9 N3 O4



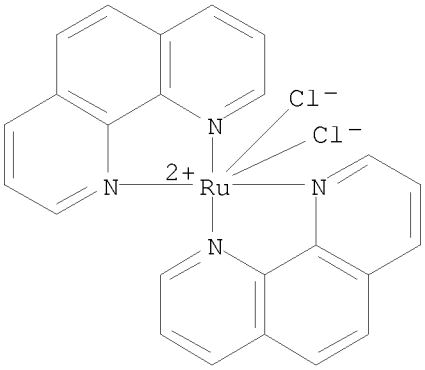
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ethane, 1,1',1''-[methylidynetris(oxy)]tris-
MF C7 H16 O3
CI COM



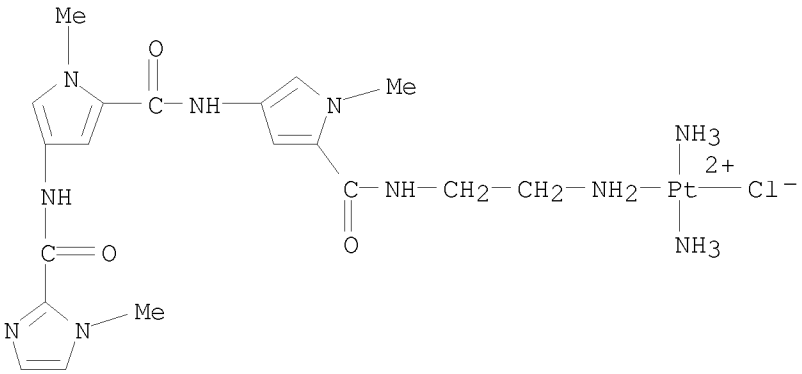
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium, dichlorobis(1,10-phenanthroline-κN1,κN10)-
MF C24 H16 Cl2 N4 Ru
CI CCS, COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

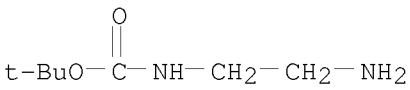
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Platinum(1+), [N-[5-[[[2-(amino-κN)ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI)
MF C19 H30 Cl N10 O3 Pt . Cl
CI CCS



● Cl^-

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

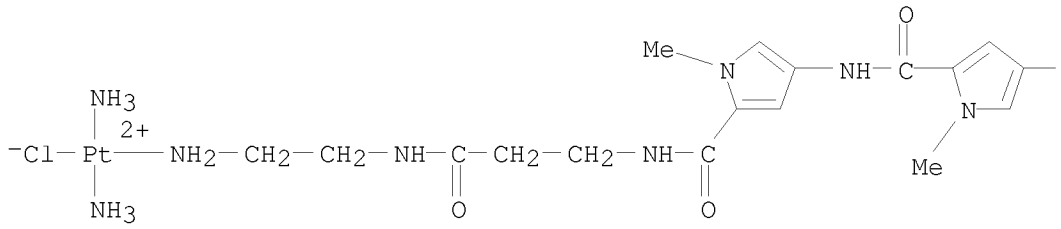
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Carbamic acid, N-(2-aminoethyl)-, 1,1-dimethylethyl ester
MF C7 H16 N2 O2
CI COM



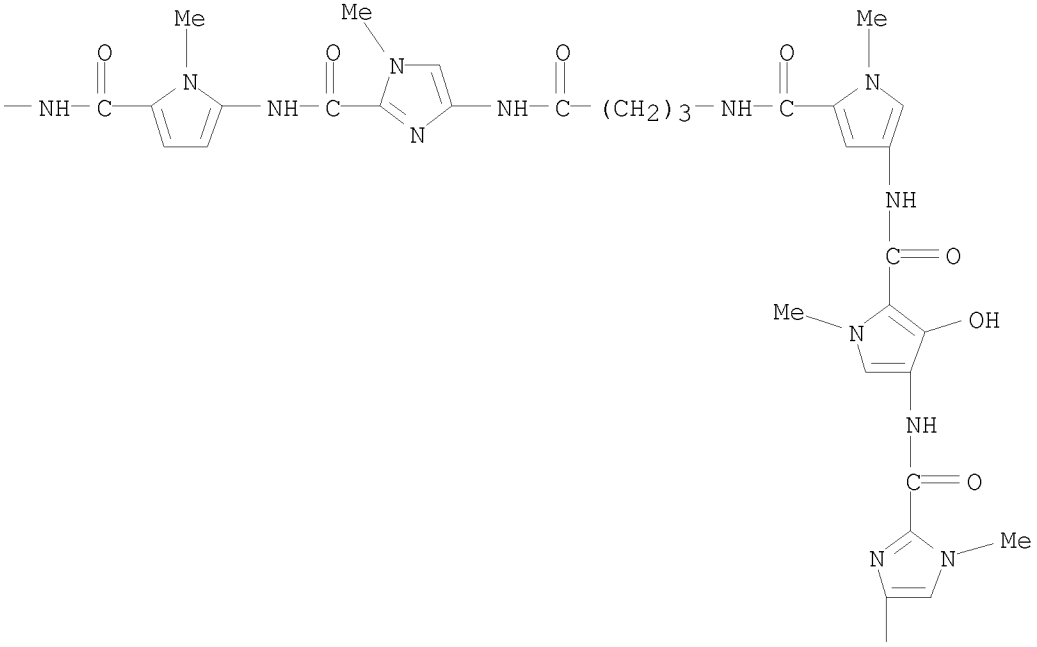
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Platinum(1+), [N-[5-[[[5-[[[4-[[2-[[[5-[[[5-[[[5-[[[2-[[[2-(amino-κN)ethyl]amino]carbonyl]ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]amino]-4-oxobutyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-4-hydroxy-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-imidazole-2-carboxamide]diamminechloro- (9CI)
MF C54 H70 Cl N24 O11 Pt
CI CCS

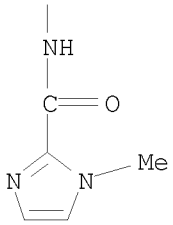
PAGE 1-A



PAGE 1-B

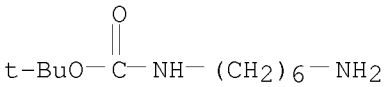


PAGE 2-B



L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

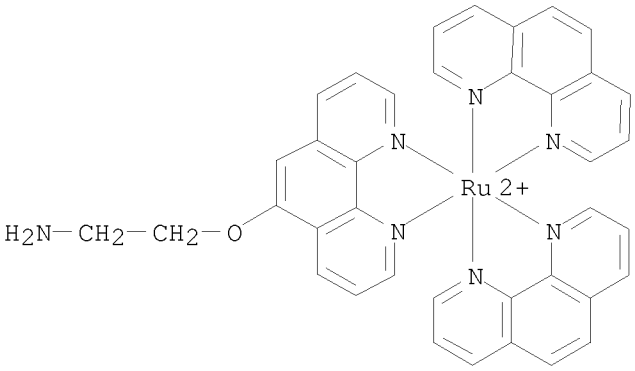
IN Carbamic acid, N-(6-aminohexyl)-, 1,1-dimethylethyl ester
MF C11 H24 N2 O2
CI COM



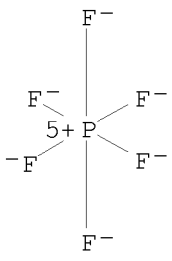
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium(2+), [2-[(1,10-phenanthrolin-5-yl-κN1,κN10)oxy]ethanamine]bis(1,10-phenanthroline-κN1,κN10)-, (OC-6-33)-, bis[hexafluorophosphate(1-)] (9CI)
MF C38 H29 N7 O Ru . 2 F6 P

CM 1

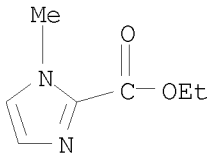


CM 2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

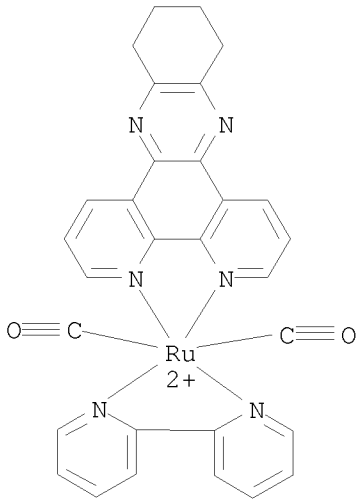
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 1-methyl-, ethyl ester
MF C7 H10 N2 O2
CI COM



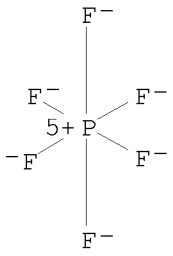
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium(2+), (2,2'-bipyridine-κN1,κN1')dicarbonyl(10,11,12,13-tetrahydrodipyrido[3,2-a:2',3'-c]phenazine-κN4,κN5)-, bis[hexafluorophosphate(1-)] (9CI)
MF C30 H22 N6 O2 Ru . 2 F6 P

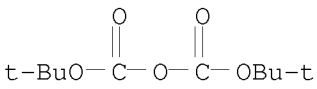
CM 1



CM 2

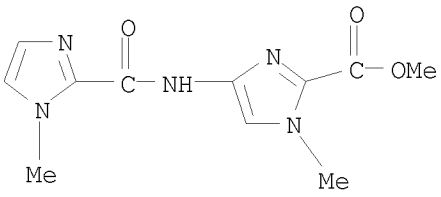


L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Dicarbonic acid, C,C'-bis(1,1-dimethylethyl) ester
MF C10 H18 O5
CI COM



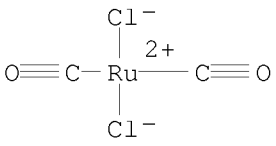
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-, methyl ester
MF C11 H13 N5 O3



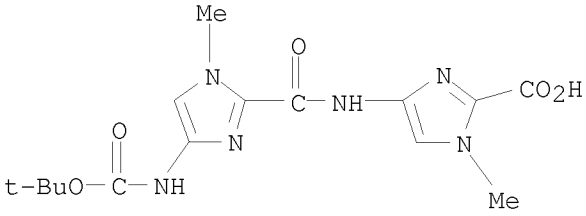
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium, dicarbonyldichloro-
MF C2 Cl2 O2 Ru
CI CCS, COM



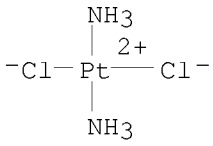
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 4-[[[4-[[(1,1-dimethylethoxy)carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-
MF C15 H20 N6 O5



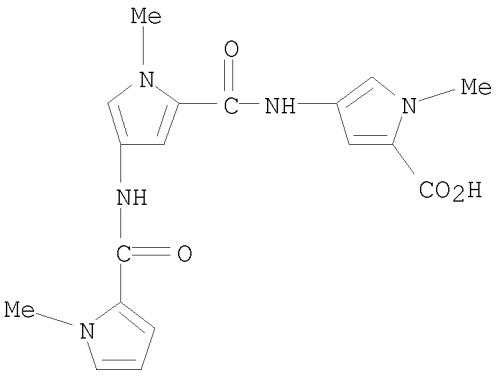
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Platinum, diamminedichloro-, (SP-4-1)-
MF Cl2 H6 N2 Pt
CI CCS, COM



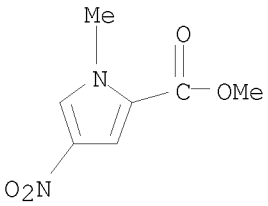
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[1-methyl-4-[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-
MF C18 H19 N5 O4



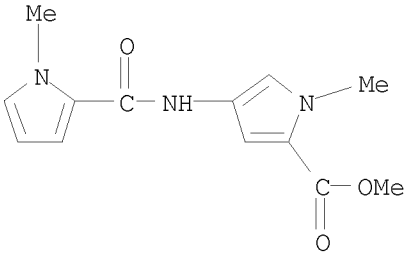
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-nitro-, methyl ester
MF C7 H8 N2 O4



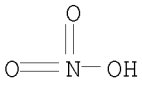
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-, methyl ester
MF C13 H15 N3 O3



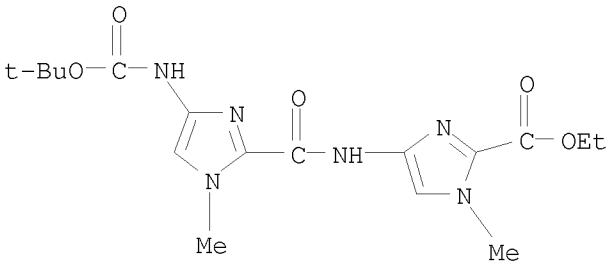
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Nitric acid
MF H N O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 4-[[[4-[[(1,1-dimethylethoxy)carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-, ethyl ester
MF C17 H24 N6 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

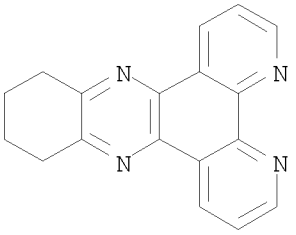
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Rhodium
MF Rh
CI COM

Rh

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Dipyrido[3,2-a:2',3'-c]phenazine, 10,11,12,13-tetrahydro-
MF C18 H14 N4

CI COM



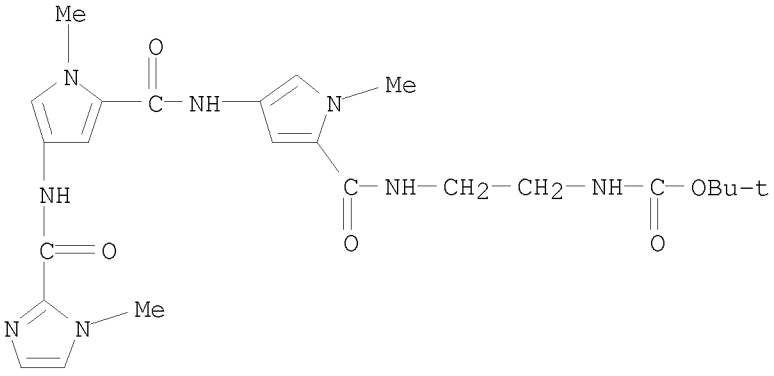
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Palladium
MF Pd
CI COM

Pd

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

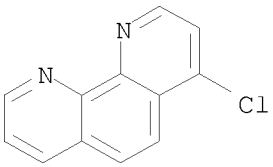
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Carbamic acid, [2-[[[1-methyl-4-[[[1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI)
MF C24 H32 N8 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

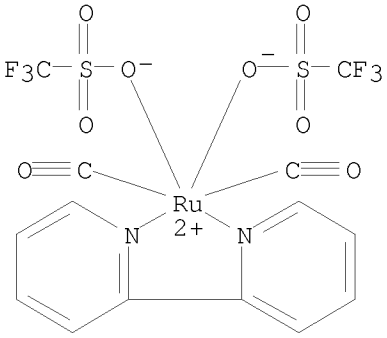
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN 1,10-Phenanthroline, 4-chloro-
MF C12 H7 Cl N2
CI COM

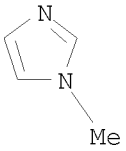


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Ruthenium, (2,2'-bipyridine-κN1,κN1')dicarbonylbis(trifluoromethanesulfonato-κO)-(9CI)
MF C14 H8 F6 N2 O8 Ru S2
CI CCS

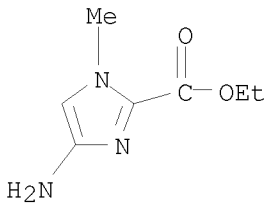


L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole, 1-methyl-
MF C4 H6 N2
CI COM



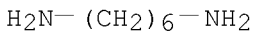
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Imidazole-2-carboxylic acid, 4-amino-1-methyl-, ethyl ester
MF C7 H11 N3 O2
CI COM



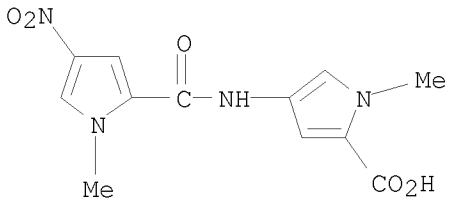
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1,6-Hexanediamine
MF C6 H16 N2
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[(1-methyl-4-nitro-1H-pyrrol-2-yl)carbonyl]amino]-
MF C12 H12 N4 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 1,2-Ethanediamine
MF C2 H8 N2
CI COM

$H_2N—CH_2—CH_2—NH_2$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.49     220.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.85

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:56:07 ON 16 JUL 2010

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSPTAJRK1626

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 12:57:48 ON 16 JUL 2010
FILE 'REGISTRY' ENTERED AT 12:57:48 ON 16 JUL 2010
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.49     220.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.85

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Uploading C:\Program Files\Stnexp\Queries\10574995\Struc 2.str
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chain nodes :
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ring nodes :
9 10 11 12 13 17 18 19 20 21
chain bonds :
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ring bonds :
9-10 9-13 10-11 11-12 12-13 17-18 17-21 18-19 19-20 20-21
exact/norm bonds :
1-2 1-3 1-4 1-5 4-6 6-7 7-8 8-9 8-14 9-10 9-13 10-11 11-12 11-15
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G1:C,N

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom
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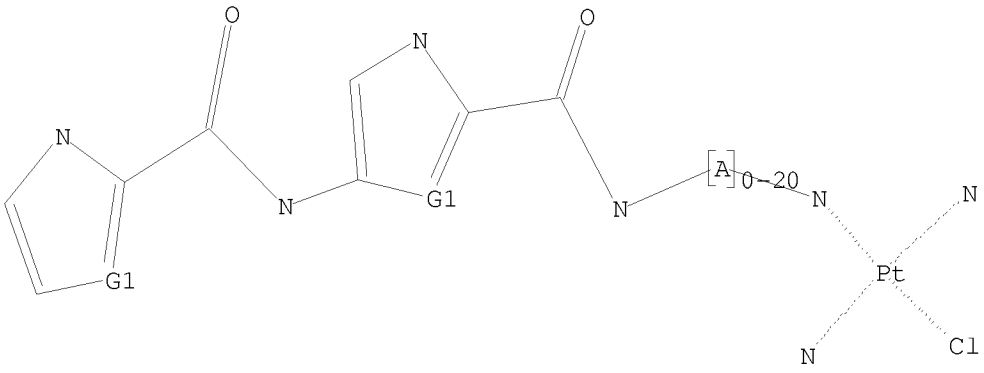
L8 HAS NO ANSWERS
L8 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> l8 full
FULL SEARCH INITIATED 12:58:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L10 9 SEA SSS FUL L8

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FULL ESTIMATED COST 192.52 412.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.85

FILE 'CAPLUS' ENTERED AT 12:58:58 ON 16 JUL 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 16 Jul 2010 VOL 153 ISS 4
FILE LAST UPDATED: 15 Jul 2010 (20100715/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l10
L11 3 L10

=> d ibib abs hitstr 1-3

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2007:460473 CAPLUS
DOCUMENT NUMBER: 147:66212
TITLE: Synthesis of DNA-sequence-selective hairpin polyamide platinum complexes
AUTHOR(S): Taleb, Robin I.; Jaramillo, David; Wheate, Nial J.; Aldrich-Wright, Janice R.
CORPORATE SOURCE: School of Biomedical and Health Sciences, University of Western Sydney, Penrith Sout DC, NSW, Australia
SOURCE: Chemistry--A European Journal (2007), 13(11), 3177-3186
CODEN: CEUJED; ISSN: 0947-6539
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Two DNA-sequence-selective hairpin polyamide platinum(II) complexes, containing pyrrole and imidazole heterocyclic rings, have been synthesized by different methods. A six-ring complex, selective for (A/T)GGG-(A/T) DNA

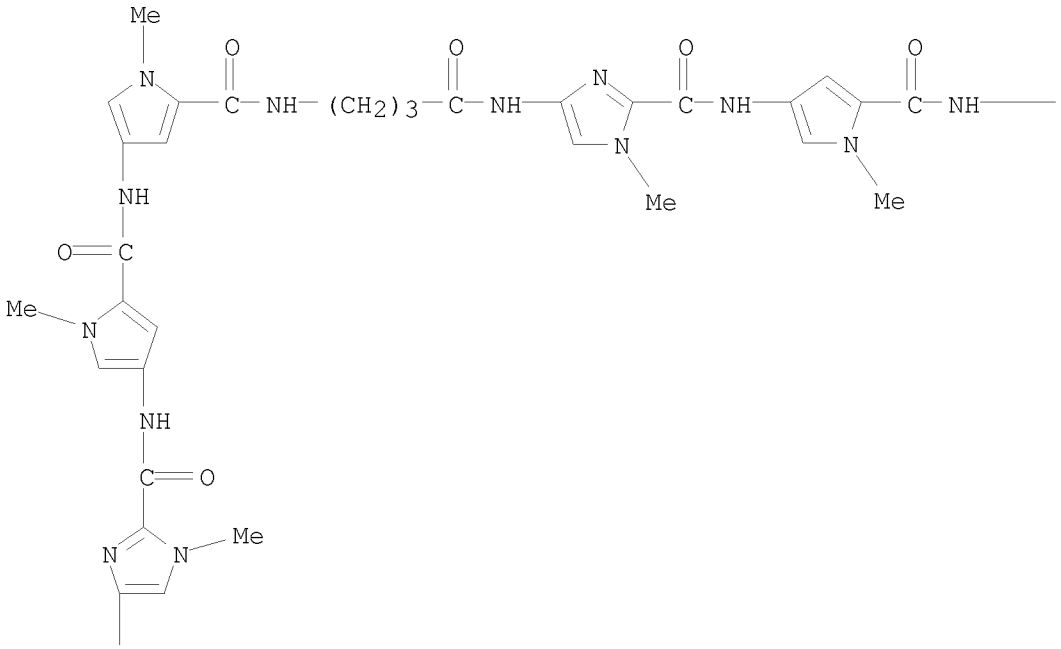
sequences, was made by using solid-phase synthesis, while an eight-ring complex, selective for (A/T)CCTG(A/TF) DNA sequences, was made by utilizing standard wet chemical Solid-phase synthesis resulted in a significantly higher yield, required less purification and is more efficient than the wet synthesis; as such, it is the preferred method for further work. The metal complexes were characterized by 1H and 195Pt NMR spectroscopy and ESI mass spectrometry. The two compds. provide a foundation for the synthesis of more complex mols. containing multiple hairpins and/or platinum groups.

IT 940956-91-2P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(synthesis of DNA-sequence-selective hairpin polyamide platinum complexes)

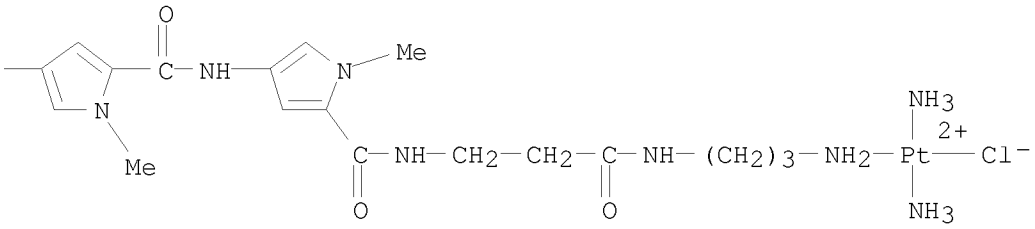
RN 940956-91-2 CAPLUS

CN Platinum(1+), [N-[5-[[[5-[[[4-[[2-[[[5-[[[5-[[[5-[[[3-[[3-(amino-κN)propyl]amino]-3-oxopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]amino]-4-oxobutyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-imidazole-2-carboxamide]diamminechloro-, (SP-4-2)- (CA INDEX NAME)

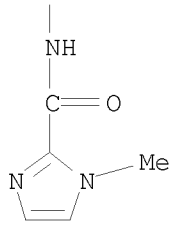
PAGE 1-A



PAGE 1-B



PAGE 2-A



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:619875 CAPLUS
DOCUMENT NUMBER: 145:264972
TITLE: Polyamide Platinum Anticancer Complexes Designed to Target Specific DNA Sequences
AUTHOR(S): Jaramillo, David; Wheate, Nial J.; Ralph, Stephen F.; Howard, Warren A.; Tor, Yitzhak; Aldrich-Wright, Janice R.
CORPORATE SOURCE: School of Biomedical and Health Sciences, University of Western Sydney, Campbelltown, 2560, Australia
SOURCE: Inorganic Chemistry (2006), 45(15), 6004-6013
CODEN: INOCAJ; ISSN: 0020-1669
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 145:264972

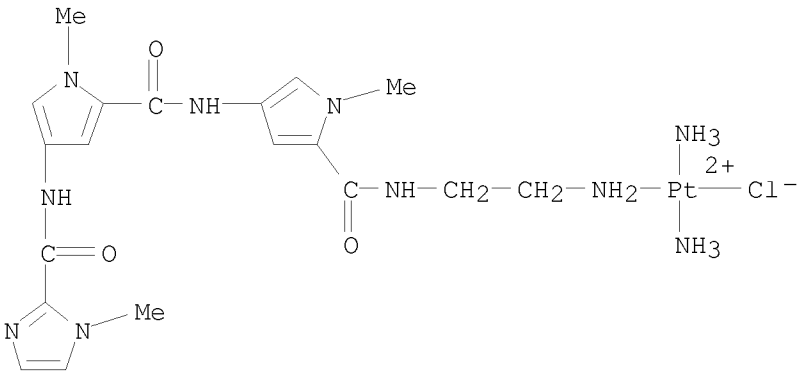
AB Two new platinum complexes, trans-chlorodiammine[N-(2-aminoethyl)-4-[4-(N-methylimidazole-2-carboxamido)-N-methylpyrrole-2-carboxamido]-N-methylpyrrole-2-carboxamide]platinum(II) chloride (DJ1953-2) and trans-chlorodiammine[N-(6-aminohexyl)-4-[4-(N-methylimidazole-2-carboxamido)-N-methylpyrrole-2-carboxamido]-N-methylpyrrole-2-carboxamide]platinum(II) chloride (DJ1953-6) have been synthesized as proof-of-concept mols. in the design of agents that can specifically target genes in DNA. Coordinate covalent binding to DNA was demonstrated with electrospray ionization mass spectrometry. Using CD, these complexes

were found to show greater DNA binding affinity to the target sequence: d(CATTGTCAGAC)2, than toward either d(GTCTGTCAATG)2, which contains different flanking sequences, or d(CATTGAGAGAC)2, which contains a double base pair mismatch sequence. DJ1953-2 unwinds the DNA helix by around 13°, but neither metal complex significantly affects the DNA melting temperature Unlike simple DNA minor groove binders, DJ1953-2 is able to inhibit, in vitro, RNA synthesis. The cytotoxicity of both metal complexes in the L1210 murine leukemia cell line was also determined, with DJ1953-6 (34 μM) more active than DJ1953-2 (>50 μM). These results demonstrate the potential of polyamide platinum complexes and provide the structural basis for designer agents that are able to recognize biol. relevant sequences and prevent DNA transcription and replication.

IT 906675-13-6P, DJ 1953-2
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of DJ1953-2)

RN 906675-13-6 CAPLUS

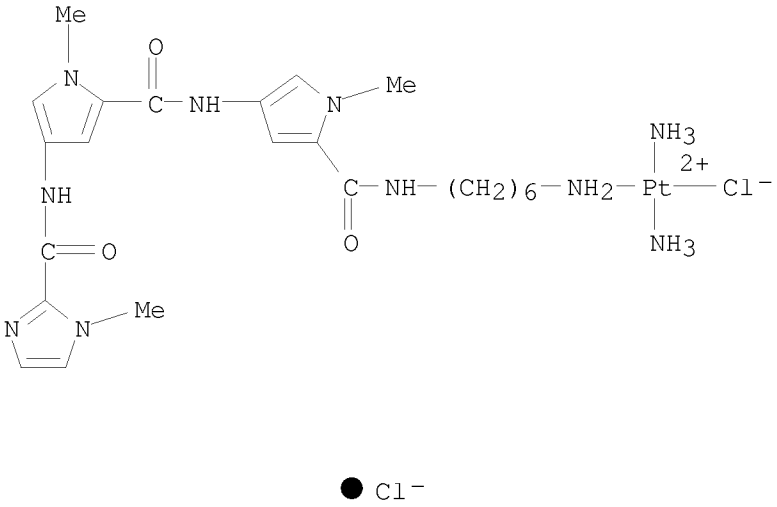
CN Platinum(1+), [N-[5-[[[2-(amino-κN)ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)



IT 906675-14-7P, DJ 1953-6
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of DJ1953-6)

RN 906675-14-7 CAPLUS

CN Platinum(1+), [N-[5-[[[6-(amino-κN)hexyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)



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OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)
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L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:324136 CAPLUS
DOCUMENT NUMBER: 142:402927
TITLE: Sequence selective pyrrole and imidazole polyamide metal complexes for targeting therapeutic or diagnostic groups to polynucleotides
INVENTOR(S): Jaramillo, David; Brodie, Craig; Howard, Warren; Taleb, Robin; Aldrich-Wright, Janice
PATENT ASSIGNEE(S): University of Western Sydney, Australia
SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033077	A1	20050414	WO 2004-AU1368	20041007
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004278050	A1	20050414	AU 2004-278050	20041007
EP 1678133	A1	20060712	EP 2004-761403	20041007

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR

CN 1863771	A	20061115	CN 2004-80029402		20041007
ZA 2006003288	A	20070926	ZA 2006-3288		20041007
NZ 546896	A	20100129	NZ 2004-546896		20041007
US 20070265240	A1	20071115	US 2007-574995		20070306
PRIORITY APPLN. INFO.:			AU 2003-905512	A	20031007
			WO 2004-AU1368	W	20041007

OTHER SOURCE(S): CASREACT 142:402927; MARPAT 142:402927

AB The present invention relates to the preparation of platinum-group metal complexes with sequence selective pyrrole and imidazole polyamide compds. for targeting therapeutic or diagnostic groups to polynucleotides. More particularly, the present invention relates to sequence selective targeting of metal complexes, such as metallodrugs and metallodiagnostics, to polynucleotides. For example, N-[5-[5-(2-aminoethylcarbamoyl)-2-methyl-1H-pyrryl-3-ylcarbamoyl]-1-methyl-2H-pyrrol-3-yl]-1-methyl-1H-imidazole-2-carboxamide (L) was prepared in a multistep process and reacted with trans-Pt(NH3)2Cl2 to give trans-PtL(NH3)2Cl. The affinity consts. of trans-PtL(NH3)2Cl with duplex DNA were determined A pharmaceutical composition containing a complex such as trans-PtL(NH3)2Cl can be used to treat cancer, HIV and hepatitis C or as a diagnostic.

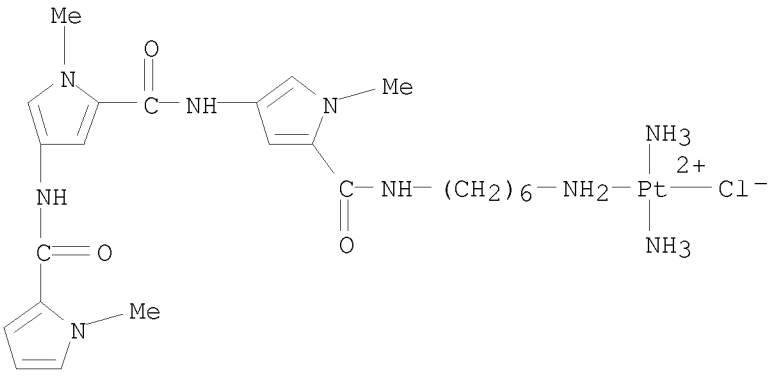
IT 849665-10-7P 906675-13-6P

RL: CPS (Chemical process); DGN (Diagnostic use); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation and binding consts. with DNA as anti-AIDS/antiviral/antitumor agents/diagnostic agents)

RN 849665-10-7 CAPLUS

CN Platinum(1+), [N-[5-[[[6-(amino-κN)hexyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)

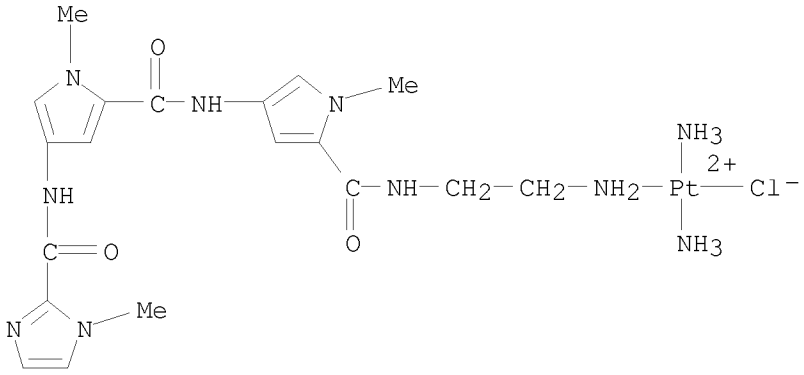


● Cl^-

RN 906675-13-6 CAPLUS

CN Platinum(1+), [N-[5-[[[2-(amino-κN)ethyl]amino]carbonyl]-1-methyl-1H-

pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)



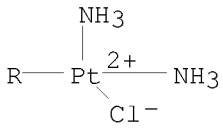
● Cl^-

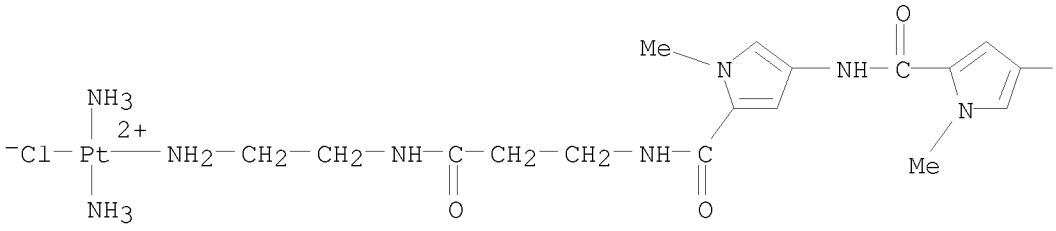
IT 849665-18-5P 849665-19-6P
RL: DGN (Diagnostic use); PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of platinum-group metal complexes with sequence selective pyrrole/imidazole polyamides as anti-AIDS/antiviral/antitumor agents/diagnostic agents)

RN 849665-18-5 CAPLUS

CN Platinum(2+), [μ-[N-[5-[[[5-[[[3-(amino-κN)-4-[[2-[[[5-[[[5-[[[5-[[[3-[[2-(amino-κN)ethyl]amino]-3-oxopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]amino]-4-oxobutyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-4-hydroxy-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-imidazole-2-carboxamide]]tetraamminedichlorodi- (9CI) (CA INDEX NAME)

PAGE 1-A





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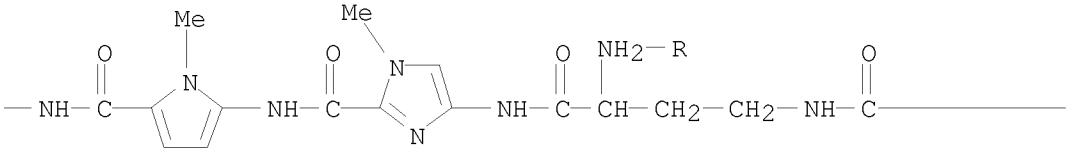
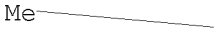
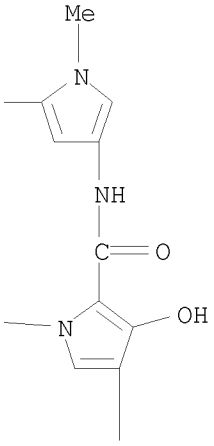




PAGE 1-C



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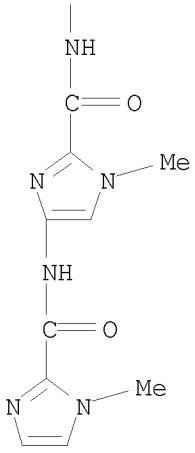

RN 849665-19-6 CAPLUS
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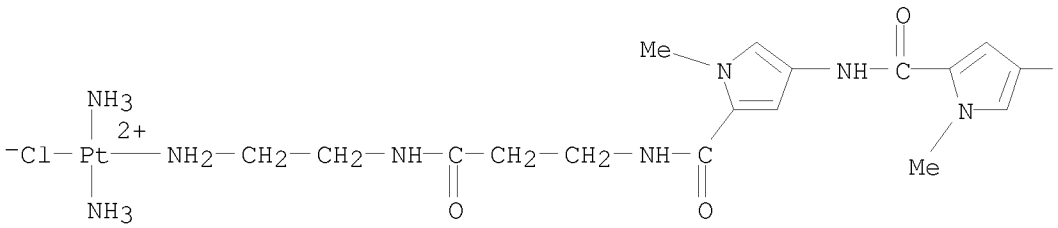

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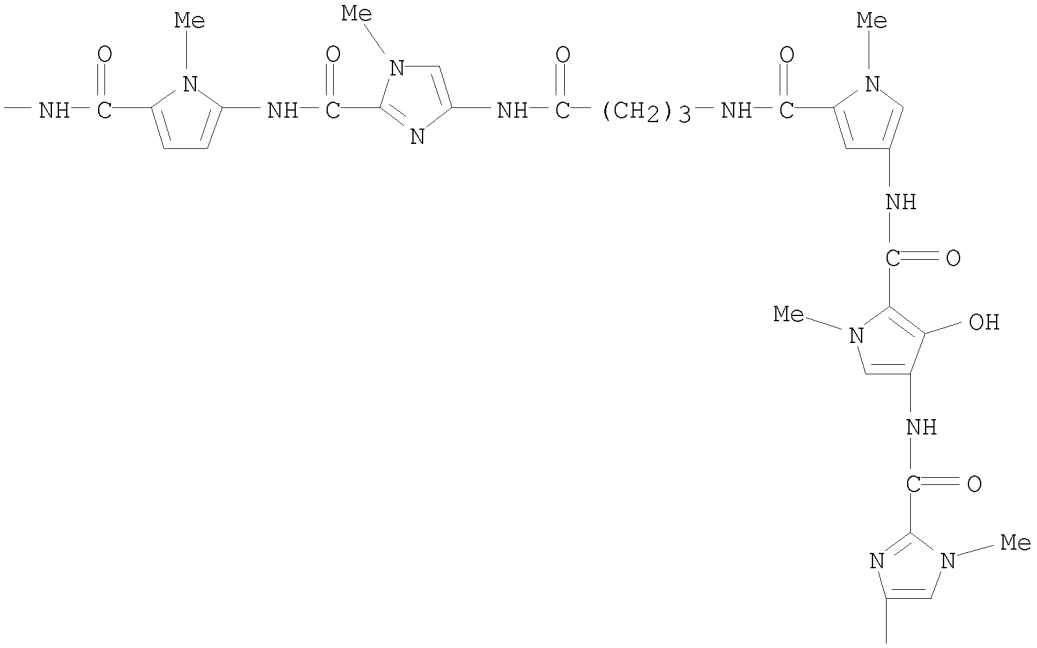

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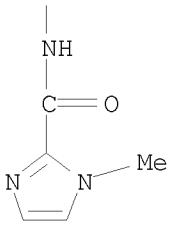

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(1 CITINGS)
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.93	430.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.55	-3.40

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:59:09 ON 16 JUL 2010